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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of: Mun Geon KYEONG, et al.

Serial No.: New Application Group Art Unit: Not Yet Assigned

Filed: October 11, 2001 Examiner: Not Yet Assigned

Title: APPARATUS AND METHOD FOR VERY HIGH PERFORMANCE SPACE-TIME  
ARRAY RECEPTION PROCESSING USING CHIP-LEVEL BEAMFORMING  
AND FADING RATE ADAPTATION.

je997 U.S. PTO  
09/973895



INFORMATION DISCLOSURE STATEMENT

Honorable Commissioner for Patents  
Washington, DC 20231

October 11, 2001

Sir:

As a means of complying with the duty of disclosure under 37 CFR \$1.56, and in accordance with 37 CFR §§1.97 and 1.98, Applicant(s), through the undersigned attorney, submits this Information Disclosure Statement. The patents, publications or other information submitted herewith are listed on the attached Form PTO-1449 and copies are attached.

In accordance with 37 CFR \$1.97(b)(1) or (2), this Information Disclosure Statement is being filed either within three months of the filing date of the above-identified application, or within three months of the date of entry into the national stage of the above-identified application as set forth in 37 CFR \$1.491. Accordingly, no fee is required.

Respectfully submitted,

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### Information Disclosure Statements

U. S. Patent Application for APPARATUS AND METHOD FOR VERY HIGH PERFORMANCE SPACE-TIME ARRAY RECEPTION PROCESSING USING CHIP-LEVEL BEAMFORMING AND FADING RATE ADAPTATION

Our Ref. No. P01E6026/US/js

Reference No. : US6,134,262,

KR Laid-open Nos. 1998-701743 and 1998-12990 (Enclosed the Translation of Abstract of Reference)

Papers : (1) DOPPLER FREQUENCY ESTIMATION AND THE CRAMER-RAO BOUND

(2) AN ADAPTIVE ARRAY IN A SPREAD-SPECTRUM COMMUNICATION SYSTEM

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## LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.: P67202US0 GROUP ART UNIT: Not Yet Assigned  
 SERIAL NO.: Not Yet Assigned FILING DATE: October 11, 2001  
 APPLICANT(S): Mun Geon KYEONG, et al. TODAY'S DATE: October 11, 2001

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## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	INT'L CLASS	SUB- CLASS	FILING DATE (If Appropriate)
	AA	<u>6,134,262</u>	<u>10/17/00</u>	<u>Kitade et al.</u>	<u>H04B</u>	<u>15/00</u>
	AB					
	AC					

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## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION (YES) (NO)
	AD	<u>1998-701743</u>	<u>06/25/98</u>	<u>KOREA</u>	<u>H04B</u>	<u>7/08</u>
	AE	<u>1998-35858</u>	<u>07/29/97</u>	<u>KOREA</u>	<u>H04B</u>	<u>1/69</u>

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## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AF Richard Bamler; Doppler Frequency Estimation and the Cramér-Rao Bound; IEEE Transactions on Geoscience and Remote Sensing, Vol. 29, No.3, May 1191, Pages 385-390.

AG Crestel, et al.; A Doppler Frequency Estimate Using the Instantaneous Frequency; 1997 IEEE, DSP 97, Pages 777-780.

AH Ralph T. Compton, Jr.; An Adaptive Array in a spread-Spectrum Communication System; 1978 IEEE; Vol. 66, No. 3, March 1978, Pages 289-298.

EXAMINER

DATE CONSIDERED

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).